

DE 25 13 251 (DT 25 13 251)

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Polyacrylonitrile conjugated fibres prepn - from one soln with split streams at different temps (BE270976)

Patent Assignee: BAYER AG (FARB)

Number of Countries: 008 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2513251	A	19760930			197641	B
BE 839991	A	19760927			197642	
NL 7603035	A	19760928			197642	
JP 51119832	A	19761020			197649	
DK 7601332	A	19761122			197651	
DE 2513251	B	19770120			197704	
FR 2305516	A	19761126			197704	
GB 1532072	A	19781115			197846	
US 4124673	A	19781107			197846	

Priority Applications (No Type Date): DE 2513251 A 19750326

Abstract (Basic): DE 2513251 A

Bifiliated fibres and threads are produced from polyacrylonitrile by prepg. a soln. of the polymerisate, splitting the soln. into two streams and bifiliating the streams at different temps. by known methods so that the bifiliated threads can be post-treated by standard methods. Pref. the acrylnitrile polymer is a copolymer of ≥ 50 wt. %, esp. ≥ 85 wt. %, acrylonitrile and ≤ 50 wt. %, esp. ≤ 15 wt. %, ethylenically unsatd. comonomer, esp. selected from methylacrylate, vinylacetate, sodium methallyl sulphonate, and sodium styrene sulphonate. Pref. the solns. are dosed in different amts. into the spinneret or one of the streams is diluted with solvent. The threads or fibres are pref. dry-spun and given a molecular orientation by stretching. The two components are spun either in side-by-side relationship or core-and-mantel relationship. Fibres and threads have permanent crimp. Previous processes required two different concn. solns. of different polymerisates to effect same result. Wet or dry spinning can be used.

Derwent Class: A14; A32; F01

International Patent Class (Additional): B29F-003/10; D01D-000/00; D01F-008/08; D02G-000/00